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PTO/SB/21 (04-04)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/828,846
Filing Date	April 20, 2004
First Named Inventor	Binder, Steven R.
Art Unit	1645
Examiner Name	
Attorney Docket Number	02558B-063710US

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

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Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP	Reg. No. 41,797
Signature	<i>Gerald T. Gray</i>	
Date	August 16, 2004	

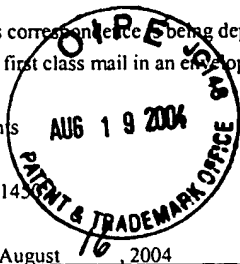
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Signature	<i>Sylvia E. Arnold</i>	Date	August 16, 2004

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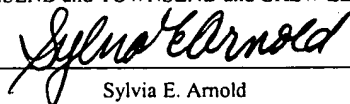


PATENT
Attorney Docket No.: 02558B-063710US
Client Reference No.: BRP00107

On August 16, 2004

TOWNSEND and TOWNSEND and CREW LLP

By:


Sylvia E. Arnold

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven R. Binder

Application No.: 10/828,846

Filed: April 20, 2004

For: PATTERN RECOGNITION
METHOD FOR DIAGNOSIS OF
SYSTEMIC AUTOIMMUNE DISEASES

Examiner:

Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/691,405, filed October 17, 2000 (Attorney Docket No. 02558B-063700US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

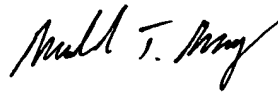
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

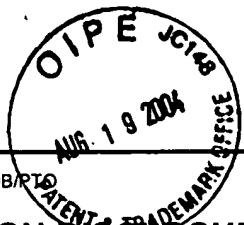
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Gerald T. Gray
Reg. No. 41,797

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 925-472-5000
Fax: 925-472-8895
GTG:sea
60285311 v1



Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/828,846	
			Filing Date	April 20, 2004	
			First Named Inventor	Binder, Steven R.	
			Art Unit	1645	
			Examiner Name		
Sheet	3	of	5	Attorney Docket Number	02558B-063710US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,024,705	02-15-2000	Schlager et al.	
	AB	US 6,031,232	02-29-2000	Cohenford et al.	
	AC	US 5,674,688	10-07-1997	Kauvar et al.	
	AD	US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AE	PCT	WO 96/12187	A1	4-25-1996			<input type="checkbox"/>
	AF							<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AG	ASSADI, A. "A basic introduction to pattern recognition," at <<http://www.lcmg.wisc.edu/bioCVG/courses/math991-f2001/courseware/patternRecog_Intro_Reading.pdf>> visited on September 24, 2002.	
	AH	BEGLEY, R.J. et al. "Adding intelligence to medical devices," Medical Device & Diagnostic Industry March 2000, pp. 150-173.	
	AI	BOYD, J.C. et al. "Effect of atypical antibiotic resistance on microorganism identification by pattern recognition," J. of Clinical Microbiology December 1978, pp. 689-694, Vol. 8, No. 6.	
	AJ	CABELLO, D. et al. "Fuzzy K-nearest neighbor classifiers for ventricular arrhythmia detection," Int. J. Biomed. Comput. 1991, pp. 77-93, Vol. 27.	
	AK	CASTELLI, V. and BRODIE, M. "EE 6880 special topics in signal processing statistical pattern recognition," at <<http://www.ee.columbia.edu/academics/CastelBrodiecourse description.pdf>> visited on September 24, 2002, 1 page total.	
	AL	DeJESUS, E.X. "Tech Update-Achieving expert ease: expert systems can speed work, answer questions and offer guidance in all areas of healthcare," Healthcare Informatics January 2000, pp. 55-60.	
	AM	ESSEX, D. "Artificial Intelligence-Long-awaited technology eases into healthcare, may stimulate e-business," Healthcare Informatics February 2000, pp. 74-76.	
	AN	GLICKMAN, S.E. et al. Rapid identification of mycolic acid patterns of mycobacteria by high-performance liquid chromatography using pattern recognition software and a mycobacterium library," J. of Clin. Microbiology March 1994, pp. 740-745, Vol. 32, No. 3.	
	AO	GRAFENSTEIN, H.V. "Phar 441 immunology: lecture 10-autoimmune diseases," Autoimmune diseases at <<http://www-hsc.usc.edu/~grafen/teaching/lectures8.htm>> visited on August 28, 2000, 9 pages total.	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 4 of 5

Complete if Known

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NON PATENT LITERATURE DOCUMENTS

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	AP	HUANG, H. and ANTONELLI, P. "Application of principal component analysis to high-resolution infrared measurement compression and retrieval," J. of Applied Meteorology March 2001, pp. 365-388, Vol. 40.	
	AQ	VANDIC, M. et al. "The use of knowledge-based systems to improve medical knowledge about urine analysis," Clinica Chimica Acta 2000, pp. 251-260, Vol. 297.	
	AR	MELLORS, R.C. "Immunopathology," at <<http://edcenter.med.cornell.edu/CUMC_PathNotes/Immunopathology/Immunopathology.html>> visited on September 28, 2000, 42 pages total.	
	AS	MOENS, H.J.B. and Van der KORST, J.K. "Computer-assisted diagnosis of rheumatic disorders," Seminars in Arthritis and Rheumatism December 1991, pp. 156-169, Vol. 21, No. 3.	
	AT	NIAID publications "Understanding autoimmune disease-how are autoimmune diseases treated?" at <<http://www.niaid.nih.gov/publications/autoimmune/treated.htm>> visited on August 28, 2000, 2 pages total.	
	AU	NIAID publications "Understanding autoimmune disease-how are autoimmune diseases diagnosed?" at <<http://www.niaid.nih.gov/publications/autoimmune/diagnosed.htm>> visited on August 28, 2000, 1 page total.	
	AV	NIAID publications "Understanding autoimmune disease-how does the immune system work?" at <<http://www.niaid.nih.gov/publications/autoimmune/work.htm>> visited on August 28, 2000, 6 pages total.	
	AW	NIAID publications "Understanding autoimmune disease-what are autoimmune diseases?" at <<http://www.niaid.nih.gov/publications/autoimmune/what.htm>> visited on August 28, 2000, 1 page total.	
	AX	NIAID publications "Understanding autoimmune disease-what are some examples of autoimmune diseases?" at <<http://www.niaid.nih.gov/publications/autoimmune/examples.htm>> visited on August 28, 2000, 4 pages total.	
	AY	NIAID publications "Understanding autoimmune disease-what are the causes of autoimmune diseases?" at <<http://www.niaid.nih.gov/publications/autoimmune/causes.htm>> visited on August 28, 2000, 2 pages total.	
	AZ	NIAID publications "Understanding autoimmune disease-who is affected by autoimmune diseases?" at <<http://www.niaid.nih.gov/publications/autoimmune/who.htm>> visited on August 28, 2000, 1 page total.	
	AAA	Principal component analysis "Principal component analysis," at <<http://www.cis.hut.fi/~aapo/papers/NCS99web/node5.html>> visited on September 24, 2002, 2 pages total.	
	ABB	SMITH, B.J. and McNEELY, M.D.D. "The influence of an expert system for test ordering and interpretation on laboratory investigations," Clinical Chem. 1999, pp. 1168-1175, Vol. 45, No. 8.	
	ACC	TOBIN, K.W. et al. "Adaption of the fuzzy k-nearest neighbor classifier for manufacturing automation," at http://www- ismv.ic.ornl.gov/publications/kwt_spie98.pdf>> visited on September 24, 2002.	
	ADD	TRENDELENBURG, C. et al. "Knowledge-based test result interpretation in laboratory medicine," Clinica Chimica Acta 1998, pp. 229-242, Vol. 278.	
	AEE	Van OYEN, A. "Theoretical aspects of pattern analysis: a simple introduction to principal component and cluster analysis," at <<http://www.anc.ed.ac.uk/~arjen/papers/cluster_abstract.html>> visited on September 24, 2002, 2 pages total.	

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				<i>Art Unit</i>	1645
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Sheet	5	of	5	<i>Attorney Docket Number</i>	02558B-063710US

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	AFF	PETROVEYKI, M. et al. "An algorithm for leukaemia immunophenotype pattern recognition," Med. Inform. 1993, pp. 11-21, Vol. 18, No. 1.	
	AGG	THOMPSON, D. et al. "The clinical significance of autoantibody profiles in patients with systemic lupus erythematosus," Lupus 1993, pp. 15-19, Vol. 2.	

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